

METHOD AND SYSTEM FOR PROCESSING TRAFFIC
IN AN ACCESS NETWORK

ABSTRACT OF THE DISCLOSURE

5 A method and system for processing traffic in an
access network includes receiving a plurality of ingress
traffic streams from customer premise equipment (CPE).
Each ingress traffic stream includes a plurality of
Internet Protocol (IP) packets having an IP address. The
10 ingress traffic streams are aggregated into a combined
traffic stream without regard to the IP addresses. The
combined traffic stream is transmitted to a backbone
network for routing based on the IP addresses. An egress
traffic stream is received from the backbone network and
15 includes a plurality of IP packets each having an IP
address. A CPE port is determined for each IP packet
based on its IP address. The IP packets are routed to
their respective CPE ports and transmitted to their
destination CPEs.